

FIG. 1

10% methacrylic acid initially:



Copolymer with a very low gradient, for which nanostructurization cannot be expected.

20% methacrylic acid initially:



Copolymer with a hydrophilic "head" and hydrophobic "tail", with a gradient that is sufficiently pronounced to lead to nanostructurization.

50% methacrylic acid initially:



Since the monomers are isoreactive in these conditions, the copolymer obtained is of the alternating type.

FIG. 2

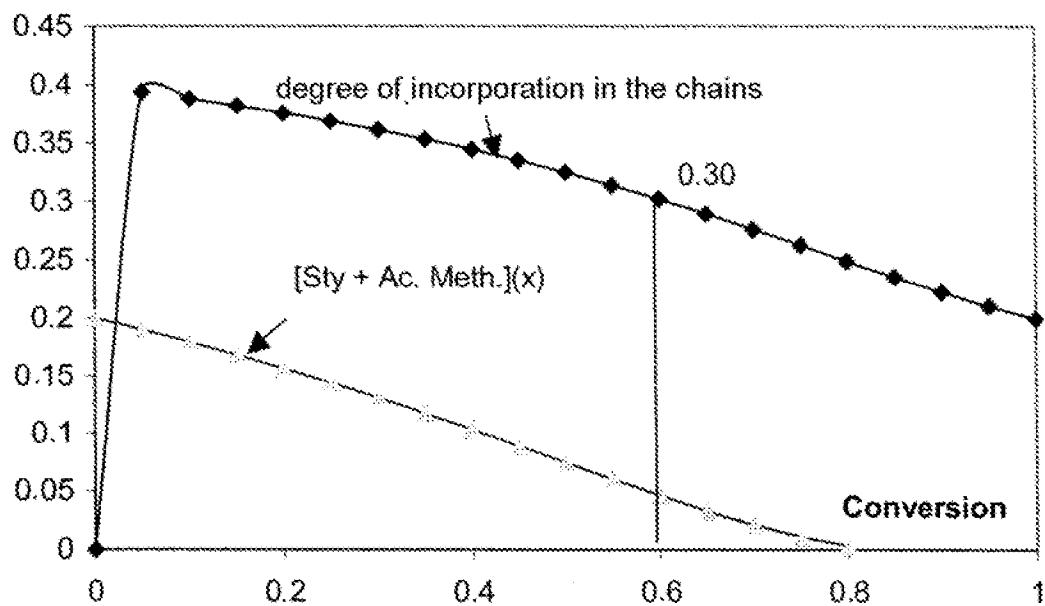
Incorporation of the STY, MAA mixture as a function
of the conversion (initial acrylate content: 80%)

FIG. 3



FIG. 4

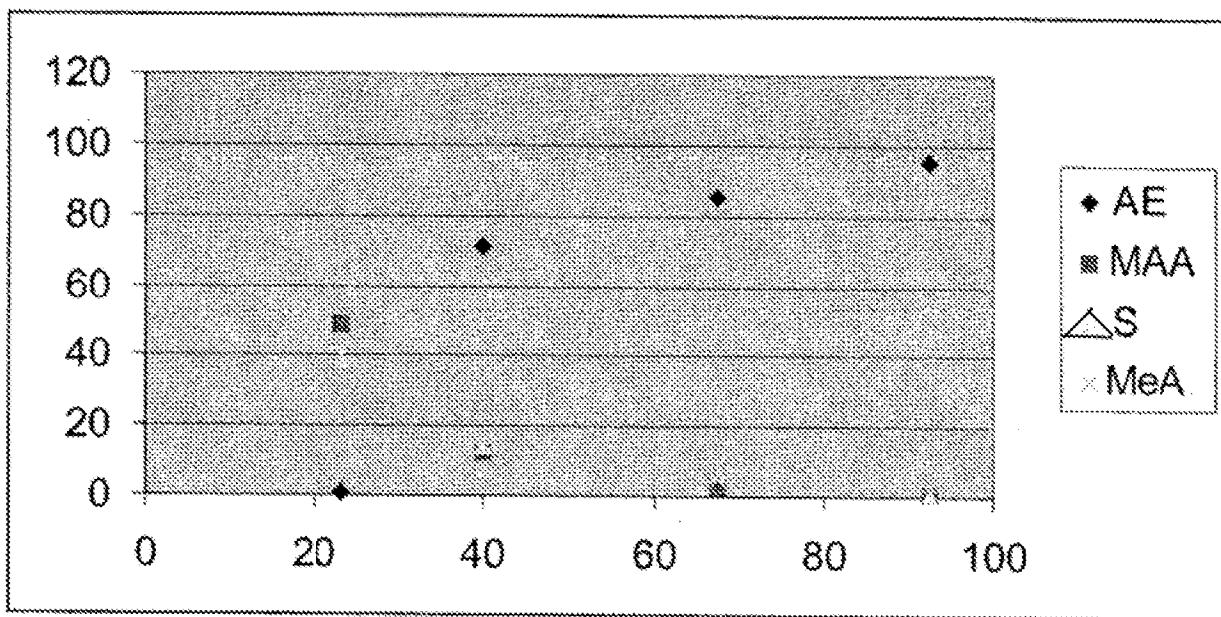


FIG. 5